



1600

## RAW SEQUENCE LISTING

DATE: 11/24/2003

PATENT APPLICATION: US/09/869,334B

TIME: 11:23:46

Input Set : A:\P21289.ST25.txt

Output Set: N:\CRF4\11242003\I869334B.raw

3 <110> APPLICANT: ENDO, Hirofumi  
 4 MIZOGUCHI, Hiroshi  
 5 OZAKI, Akio  
 6 YONETANI, Yoshiyuki  
 7 HASHIMOTO, Shin-ichi  
 9 <120> TITLE OF INVENTION: Process for Producing HMG-CoA Reductase Inhibitor  
 11 <130> FILE REFERENCE: P21289  
 13 <140> CURRENT APPLICATION NUMBER: US 09/869,334B ✓  
 14 <141> CURRENT FILING DATE: 2001-09-26  
 16 <150> PRIOR APPLICATION NUMBER: PCT JP00/00472  
 17 <151> PRIOR FILING DATE: 2000-01-28  
 19 <160> NUMBER OF SEQ ID NOS: 45  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 396  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Bacillus subtilis  
 28 <400> SEQUENCE: 1  
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 31 1 5 10 15  
 34 Gly Lys Asn Lys Gln Asp Ala Tyr His Pro Phe Pro Trp Tyr Glu Ser  
 35 20 25 30  
 38 Met Arg Lys Asp Ala Pro Val Ser Phe Asp Glu Glu Asn Gln Val Trp  
 39 35 40 45  
 42 Ser Val Phe Leu Tyr Asp Asp Val Lys Lys Val Val Gly Asp Lys Glu  
 43 50 55 60  
 46 Leu Phe Ser Ser Cys Met Pro Gln Gln Thr Ser Ser Ile Gly Asn Ser  
 47 65 70 75 80  
 50 Ile Ile Asn Met Asp Pro Pro Lys His Thr Lys Ile Arg Ser Val Val  
 51 85 90 95  
 54 Asn Lys Ala Phe Thr Pro Arg Val Met Lys Gln Trp Glu Pro Arg Ile  
 55 100 105 110  
 58 Gln Glu Ile Thr Asp Glu Leu Ile Gln Lys Phe Gln Gly Arg Ser Glu  
 59 115 120 125  
 62 Phe Asp Leu Val His Asp Phe Ser Tyr Pro Leu Pro Val Ile Val Ile  
 63 130 135 140  
 66 Ser Glu Leu Leu Gly Val Pro Ser Ala His Met Glu Gln Phe Lys Ala  
 67 145 150 155 160  
 70 Trp Ser Asp Leu Leu Val Ser Thr Pro Lys Asp Lys Ser Glu Glu Ala  
 71 165 170 175  
 74 Glu Lys Ala Phe Leu Glu Glu Arg Asp Lys Cys Glu Glu Glu Leu Ala  
 75 180 185 190  
 78 Ala Phe Phe Ala Gly Ile Ile Glu Glu Lys Arg Asn Lys Pro Glu Gln

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79          195          200          205
82 Asp Ile Ile Ser Ile Leu Val Glu Ala Glu Glu Thr Gly Glu Lys Leu
83          210          215          220
86 Ser Gly Glu Glu Leu Ile Pro Phe Cys Thr Leu Leu Val Ala Gly
87 225          230          235          240
90 Asn Glu Thr Thr Thr Asn Leu Ile Ser Asn Ala Met Tyr Ser Ile Leu
91          245          250          255
94 Glu Thr Pro Gly Val Tyr Glu Glu Leu Arg Ser His Pro Glu Leu Met
95          260          265          270
98 Pro Gln Ala Val Glu Glu Ala Leu Arg Phe Arg Ala Pro Ala Pro Val
99          275          280          285
102 Leu Arg Arg Ile Ala Lys Arg Asp Thr Glu Ile Gly Gly His Leu Ile
103          290          295          300
106 Lys Glu Gly Asp Met Val Leu Ala Phe Val Ala Ser Ala Asn Arg Asp
107 305          310          315          320
110 Glu Ala Lys Phe Asp Arg Pro His Met Phe Asp Ile Arg Arg His Pro
111          325          330          335
114 Asn Pro His Ile Ala Phe Gly His Gly Ile His Phe Cys Leu Gly Ala
115          340          345          350
118 Pro Leu Ala Arg Leu Glu Ala Asn Ile Ala Leu Thr Ser Leu Ile Ser
119          355          360          365
122 Ala Phe Pro His Met Glu Cys Val Ser Ile Thr Pro Ile Glu Asn Ser
123          370          375          380
126 Val Ile Tyr Gly Leu Lys Ser Phe Arg Val Lys Met
127 385          390          395
130 <210> SEQ ID NO: 2
131 <211> LENGTH: 1191
132 <212> TYPE: DNA
133 <213> ORGANISM: Bacillus subtilis
135 <400> SEQUENCE: 2
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138 caggatgcgt atcatccggt tccatgggtat gaatcgatga gaaaggatgc gcctgtttcc 120
140 tttgatgaag aaaaccaagt gtggagcggt tttctttatg atgatgtcaa aaaagttggt 180
142 ggggataaag agttgttttc cagttgcatg ccgcagcaga caagctctat tggaaattcc 240
144 atcattaaca tggaccgccg gaagcataca aaaatccggt cagtcgtgaa caaagccttt 300
146 actccgcgcg tgatgaagca atgggaaccg agaattcaag aaatcacaga tgaactgatt 360
148 caaaaatttc aggggcgcag tgagtttgac cttgttcacg atttttcata cccgcttccg 420
150 gttattgtga tatctgagct gctgggagtg ccttcagcgc agatggaaca gtttaaagca 480
152 tggctctgat ttctggtcag tacaccgaag gataaaagtg aagaagctga aaaagccttt 540
154 ttggaagaac gagataagtg tgaggaagaa ctggccgcgt tttttgccgg catcatagaa 600
156 gaaaagcgaa acaaaccgga acaggatatt atttctattt tagtggaagc ggaagaaaca 660
158 ggcgagaagc tgtccggtga agagctgatt ccgttttgca cgctgctgct ggtggccgga 720
160 aatgaaacca ctacaaacct gatttcaa atgcgatgtaca gcatattaga aacgccaggc 780
162 gtttacgagg aactgcgcag ccacctgaa ctgatgcctc aggcagtgga ggaagccttg 840
164 cgtttcagag cgccggcccc ggttttgagg cgcattgcc aagcgggatac ggagatcggg 900
166 gggcacctga ttaaagaagg tgatatggtt ttggcggttg tggcatcggc aaatcgtgat 960
168 gaagcaaagt ttgacagacc gcacatgttt gatatccgcc gccatcccaa tccgcatatt 1020
170 gcgtttggcc acggcatcca tttttgctt ggggccccgc ttgccgtct tgaagcaaat 1080
172 atcgcgttaa cgtctttgat ttctgctttt cctcatatgg agtgcgtcag tatcactccg 1140

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174 attgaaaaca gtgtgatata cggattaaag agcttccgtg tgaaaatgta a      1191
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179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial
182 <220> FEATURE:
183 <223> OTHER INFORMATION: PCR Primer
185 <400> SEQUENCE: 3
186 ttggtatccg aattcaaaag tgctggcgct gttccgttt      39
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190 <211> LENGTH: 41
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial
194 <220> FEATURE:
195 <223> OTHER INFORMATION: PCR Primer
197 <400> SEQUENCE: 4
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202 <211> LENGTH: 39
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial
206 <220> FEATURE:
207 <223> OTHER INFORMATION: PCR Primer
209 <400> SEQUENCE: 5
210 ccaggatcct ctagatggtg aaatggttgt tgccgctct      39
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214 <211> LENGTH: 39
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR Primer
221 <400> SEQUENCE: 6
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227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial
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231 <223> OTHER INFORMATION: PCR Primer
233 <400> SEQUENCE: 7
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238 <211> LENGTH: 39
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial
242 <220> FEATURE:
243 <223> OTHER INFORMATION: PCR Primer
245 <400> SEQUENCE: 8
246 atcgcgcgcg tcgacgatag cggcagaaaa ttggcggca      39

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Input Set : A:\P21289.ST25.txt

Output Set: N:\CRF4\11242003\I869334B.raw

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255 <223> OTHER INFORMATION: PCR Primer
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258 agcggatccg aattcgctgg aatcaaaagt cggccaga      38
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262 <211> LENGTH: 38
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial
266 <220> FEATURE:
267 <223> OTHER INFORMATION: PCR Primer
269 <400> SEQUENCE: 10
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274 <211> LENGTH: 39
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial
278 <220> FEATURE:
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281 <400> SEQUENCE: 11
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286 <211> LENGTH: 42
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288 <213> ORGANISM: Artificial
290 <220> FEATURE:
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293 <400> SEQUENCE: 12
294 gccggatcca gatctggcat cacacaacaa taaatacacc gc      42
297 <210> SEQ ID NO: 13
298 <211> LENGTH: 39
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial
302 <220> FEATURE:
303 <223> OTHER INFORMATION: PCR Primer
305 <400> SEQUENCE: 13
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310 <211> LENGTH: 41
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial
314 <220> FEATURE:
315 <223> OTHER INFORMATION: PCR Primer
317 <400> SEQUENCE: 14
318 aaaggatccc ccgggtttac cagccagcgc aacaaagtca t      41
321 <210> SEQ ID NO: 15

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## RAW SEQUENCE LISTING

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Input Set : A:\P21289.ST25.txt

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323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial
326 <220> FEATURE:
327 <223> OTHER INFORMATION: PCR Primer
329 <400> SEQUENCE: 15
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333 <210> SEQ ID NO: 16
334 <211> LENGTH: 41
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial
338 <220> FEATURE:
339 <223> OTHER INFORMATION: PCR Primer
341 <400> SEQUENCE: 16
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346 <211> LENGTH: 34
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial
350 <220> FEATURE:
351 <223> OTHER INFORMATION: PCR Primer
353 <400> SEQUENCE: 17
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357 <210> SEQ ID NO: 18
358 <211> LENGTH: 41
359 <212> TYPE: DNA
360 <213> ORGANISM: Artificial
362 <220> FEATURE:
363 <223> OTHER INFORMATION: PCR Primer
365 <400> SEQUENCE: 18
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369 <210> SEQ ID NO: 19
370 <211> LENGTH: 34
371 <212> TYPE: DNA
372 <213> ORGANISM: Artificial
374 <220> FEATURE:
375 <223> OTHER INFORMATION: PCR Primer
377 <400> SEQUENCE: 19
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381 <210> SEQ ID NO: 20
382 <211> LENGTH: 39
383 <212> TYPE: DNA
384 <213> ORGANISM: Artificial
386 <220> FEATURE:
387 <223> OTHER INFORMATION: PCR Primer
389 <400> SEQUENCE: 20
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393 <210> SEQ ID NO: 21
394 <211> LENGTH: 34

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/24/2003  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29  
Seq#:30,31,32,33,34,35,36,37,38,39,40

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/869,334B

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